

RECEIVED

NOV 13 2001

TECH CENTER 1600 2901

Page 1 of 7

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/667,365

DATE: 10/11/2001

TIME: 13:37:56

Input Set : A:\276411.app

Output Set: N:\CRF3\10112001\I667365.raw

3 <110> APPLICANT: SUGANUMA, MASASHI
4 KAWABE, TAKUMI
6 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR INHIBITING G2 CELL CYCLE
7 ARREST AND SENSITIZING CELLS TO DNA DAMAGING AGENTS
9 <130> FILE REFERENCE: 087533/0276411
11 <140> CURRENT APPLICATION NUMBER: 09/667,365
12 <141> CURRENT FILING DATE: 2000-09-21
14 <160> NUMBER OF SEQ ID NOS: 1948
16 <170> SOFTWARE: PatentIn Ver. 2.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 11
20 <212> TYPE: PRT
21 <213> ORGANISM: Artificial Sequence
23 <220> FEATURE:
24 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
25 peptide
27 <400> SEQUENCE: 1
28 Arg Tyr Ser Leu Pro Pro Glu Leu Ser Asn Met
29 1 5 10
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 11
34 <212> TYPE: PRT
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
39 peptide
41 <400> SEQUENCE: 2
42 Leu Tyr Arg Ser Pro Ser Met Pro Glu Asn Leu
43 1 5 10
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 11
48 <212> TYPE: PRT
49 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
53 peptide
55 <400> SEQUENCE: 3
56 Leu Tyr Arg Ser Pro Ser Met Phe Glu Asn Leu
57 1 5 10
60 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
61 peptide
62 <400> SEQUENCE: 4

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/667,365

DATE: 10/11/2001
 TIME: 13:37:56

Input Set : A:\276411.app
 Output Set: N:\CRF3\10112001\I667365.raw

```

70 Leu Tyr Arg Ser Pro Ser Met Tyr Glu Asn Leu
71      1              5              10
74 <210> SEQ ID NO: 5
75 <211> LENGTH: 11
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
81      peptide
83 <400> SEQUENCE: 5
84 Leu Tyr Arg Ser Pro Ser Met Trp Glu Asn Leu
85      1              5              10
88 <210> SEQ ID NO: 6
89 <211> LENGTH: 11
90 <212> TYPE: PRT
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
95      peptide
97 <400> SEQUENCE: 6
98 Leu Tyr Arg Ser Pro Ser Phe Pro Glu Asn Leu
99      1              5              10
102 <210> SEQ ID NO: 7
103 <211> LENGTH: 11
104 <212> TYPE: PRT
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
109      peptide
111 <400> SEQUENCE: 7
112 Leu Tyr Arg Ser Pro Ser Phe Phe Glu Asn Leu
113      1              5              10
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 11
118 <212> TYPE: PRT
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
123      peptide
125 <400> SEQUENCE: 8
126 Leu Tyr Arg Ser Pro Ser Phe Tyr Glu Asn Leu
127      1              5              10
130 <210> SEQ ID NO: 9
131 <211> LENGTH: 11

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/667,365

DATE: 10/11/2001

TIME: 13:37:56

Input Set : A:\276411.app

Output Set: N:\CRF3\10112001\I667365.raw

```

139 <400> SEQUENCE: 9
140 Leu Tyr Arg Ser Pro Ser Phe Trp Glu Asn Leu
141   1           5           10
144 <210> SEQ ID NO: 10
145 <211> LENGTH: 11
146 <212> TYPE: PRT
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
151     peptide
153 <400> SEQUENCE: 10
154 Leu Tyr Arg Ser Pro Ser Tyr Pro Glu Asn Leu
155   1           5           10
158 <210> SEQ ID NO: 11
159 <211> LENGTH: 11
160 <212> TYPE: PRT
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
165     peptide
167 <400> SEQUENCE: 11
168 Leu Tyr Arg Ser Pro Ser Tyr Phe Glu Asn Leu
169   1           5           10
172 <210> SEQ ID NO: 12
173 <211> LENGTH: 11
174 <212> TYPE: PRT
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
179     peptide
181 <400> SEQUENCE: 12
182 Leu Tyr Arg Ser Pro Ser Tyr Tyr Glu Asn Leu
183   1           5           10
186 <210> SEQ ID NO: 13
187 <211> LENGTH: 11
188 <212> TYPE: PRT
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
193     peptide
195 <400> SEQUENCE: 13
196 Leu Tyr Arg Ser Pro Ser Tyr Trp Glu Asn Leu
197   1           5           10
200 <210> SEQ ID NO: 14

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/667,365

DATE: 10/11/2001

TIME: 13:37:56

Input Set : A:\276411.app

Output Set: N:\CRF3\10112001\I667365.raw

```

207      peptide
209 <400> SEQUENCE: 14
210 Leu Tyr Arg Ser Pro Ser Asp Pro Glu Asn Leu
211      1          5          10
214 <210> SEQ ID NO: 15
215 <211> LENGTH: 11
216 <212> TYPE: PRT
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
221      peptide
223 <400> SEQUENCE: 15
224 Leu Tyr Arg Ser Pro Ser Asp Phe Glu Asn Leu
225      1          5          10
228 <210> SEQ ID NO: 16
229 <211> LENGTH: 11
230 <212> TYPE: PRT
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
235      peptide
237 <400> SEQUENCE: 16
238 Leu Tyr Arg Ser Pro Ser Asp Tyr Glu Asn Leu
239      1          5          10
242 <210> SEQ ID NO: 17
243 <211> LENGTH: 11
244 <212> TYPE: PRT
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
249      peptide
251 <400> SEQUENCE: 17
252 Leu Tyr Arg Ser Pro Ser Asp Trp Glu Asn Leu
253      1          5          10
256 <210> SEQ ID NO: 18
257 <211> LENGTH: 11
258 <212> TYPE: PRT
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
263      peptide
265 <400> SEQUENCE: 18
266 Leu Tyr Arg Ser Pro Ser Glu Pro Glu Asn Leu
267      1          5          10

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/667,365

DATE: 10/11/2001
 TIME: 13:37:56

Input Set : A:\276411.app
 Output Set: N:\CRF3\10112001\I667365.raw

```

276 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
277     peptide
279 <400> SEQUENCE: 19
280 Leu Tyr Arg Ser Pro Ser Glu Phe Glu Asn Leu
281   1             5             10
284 <210> SEQ ID NO: 20
285 <211> LENGTH: 11
286 <212> TYPE: PRT
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
291     peptide
293 <400> SEQUENCE: 20
294 Leu Tyr Arg Ser Pro Ser Glu Tyr Glu Asn Leu
295   1             5             10
298 <210> SEQ ID NO: 21
299 <211> LENGTH: 11
300 <212> TYPE: PRT
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
305     peptide
307 <400> SEQUENCE: 21
308 Leu Tyr Arg Ser Pro Ser Glu Trp Glu Asn Leu
309   1             5             10
312 <210> SEQ ID NO: 22
313 <211> LENGTH: 11
314 <212> TYPE: PRT
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
319     peptide
321 <400> SEQUENCE: 22
322 Leu Tyr Arg Ser Pro Ser Asn Pro Glu Asn Leu
323   1             5             10
326 <210> SEQ ID NO: 23
327 <211> LENGTH: 11
328 <212> TYPE: PRT
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
333     peptide
335 <400> SEQUENCE: 23
336 Leu Tyr Arg Ser Pro Ser Asn Phe Glu Asn Leu

```

File: C:\CRF3\Outhold\Vsrl667365.htm

Sequence Listing Review: Review the sequence listing to ensure that the sequence listing is correct and that the explanation is present in the <220> to <223> fields of each sequence.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/667,365

DATE: 10/11/2001

TIME: 13:37:57

Input Set : A:\276411.app

Output Set: N:\CRF3\10112001\I667365.raw

L:27007 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1907
L:27026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1908
L:27045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1909
L:27064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1910
L:27083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1911
L:27102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1912
L:27121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1913
L:27140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1914
L:27159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1915
L:27178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1916
L:27197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1917
L:27216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1918
L:27235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1919
L:27254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1920
L:27273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1921
L:27353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1926
L:27377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1927
L:27406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1928
L:27440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1929
L:27464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1930